Message

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Sent: 10/13/2020 4:16:39 PM
To: Donovan, William [donovan.william@epa.gov]; Metzger, Michael [Metzger.Michael@epa.gov]
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Subject: Aldicarb Groundwater Distribution EDWCs
Attachments: Aldicarb GW FL63.xlsx

Attached is a spreadsheet with a time series of post-breakthrough groundwater EDWCs for aldicarb (the title indicates that it is run for pH 6 groundwater and a 3 inch incorporation depth). The 30 year time series was run for 1/1/1961 to 12/31/1990. The post-breakthrough values begin on 7/26/1964 (the first day the daily EDWC without any setback consideration exceeded the post-breakthrough average of 72.04 ppb). Column B contains the date of the predicted EDWC. Column C contains the daily EDWCs expected beneath the site of application. Column D contains the daily EDWCs expected at a well situated at the minimum well setback distance (HED: use these Column D values). The setback distance can be changed by modifying cell G3. The peak EDWC is summarized in cell G7. Changing the well setback (G3) modifies the EDWCs at the setback distance (Column D) and the peak EDWC (G7). Being able to change the well setback distance may be useful to HED if, for example, the minimum well setback needed to pass needed to be calculated. A graph was included to show the post-breakthrough aldicarb EDWCs display a sawtooth pattern (i.e., show considerable temporal variation).